

## Thomson GS-500

General Service rotating  
equipment compression packing



### Specifications

**Construction:**

Acrylic yarn with graphite and petroleum impregnation.  
Square interbraid.

**Temperatures:**

-170°F (-112°C) to max 500°F (260°C)

**Pressures:**

to 300 psi (20 bar) rotating equipment  
\* For higher pressures e.g. reciprocating pumps please contact A.R. Thomson Group

**Speeds:**

to 1,500 fpm (7.6 m/s)

**pH range:**

4-10

### Benefits

- Cost effective compression packing.
- Superior to old grease graphite asbestos.

### Ideal for

- General service: water, oil, steam, mild acids and alkalis.
- Valve stems, centrifugal and reciprocating pumps.

## Ordering Information:

**Specify: Thomson style, size & quantity (lbs) required**

| Size          | 1/8"  | 3/16" | 1/4" | 5/16" | 3/8" | 7/16" | 1/2" | 5/8" | 3/4" | 7/8" | 1"  | 1-1/8" | 1-1/2" |
|---------------|-------|-------|------|-------|------|-------|------|------|------|------|-----|--------|--------|
| Approx. ft/lb | 113.4 | 71.4  | 31.3 | 19.2  | 14.3 | 10.5  | 7.7  | 5.6  | 3.9  | 2.9  | 2.1 | 1.75   | 1.00   |
| Std pkg (lbs) | 2     | 2     | 2/5  | 5     | 5/10 | 10    | 5/10 | 5/10 | 10   | 10   | 10  | 10/50  | 10/50  |

\*Also available in Metric sizes, Die formed pre-packaged sets and specialty cut lengths, contact A.R. Thomson Group for any special requirements.

## Shaft Speed Conversion Calculations:

| Feet per minute                                   | Meter per second                                     |
|---|--|
| Shaft / sleeve diameter (in) X RPM X 0.262 = fpm  | Shaft / sleeve diameter (in) X RPM X 0.0013299 = m/s |
| Shaft / sleeve diameter (mm) X RPM X 0.0103 = fpm | Shaft / sleeve diameter (mm) X RPM X 0.0000524 = m/s |

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